

Converting Colors

$Y_{xy}(43.7029, 0.2348, 0.3804)$

Have a look what the booklet for
Yxy(43.7029, 0.2348, 0.3804)
contains.

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Color

Yxy(44.1357, 0.2391, 0.3806)

Conversions

Conversions Part 1

Format	Color
Hex	01C8A8
RGB	1, 200, 168
RGB Percent	0%, 78%, 66%
CMY	0.9977, 0.2157, 0.3412
CMYK	1.00, 0.00, 0.16, 0.22
HSL	170°, 99%, 39%
HSV	170°, 100%, 78%
XYZ	27.7269, 44.1357, 44.1009
YIQ	136.8510, -108.3320, -52.1400

Conversions

Conversions Part 2

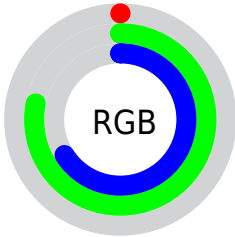
Format	Color
RYB	1, 109, 200
Decimal	116904
CIELab	72.32, -49.08, 4.30
CIElCh	72, 49.266, 174.995
Yxy	44.1357, 0.2391, 0.3806
Android (android.graphics.Color)	4278306984 (0xFF01C8A8)
YUV	136.8510, 15.3565, -119.1413
Hunter-Lab	66.4347, -41.7628, 7.1462

Details

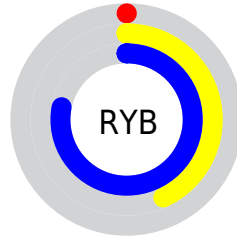
The Yxy color **44.1357, 0.2391, 0.3806** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.3988, 0.6174, 0.3177**, and the grayscale version is **24.8773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6725, 0.2519, 0.3679**, and **21.5118, 0.2425, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **44.1302, 0.2391, 0.3808**, and if you desaturate by 10%, it is **44.4096, 0.2391, 0.3749**.

Distribution



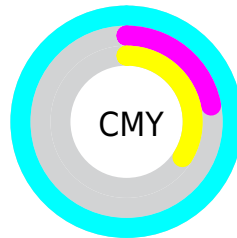
- Red (0%)
- Green (78%)
- Blue (66%)



- Red (0%)
- Yellow (43%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1357, 0.2391, 0.3806 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 44.1357, 0.2391, 0.3806 by changing the saturation by 10% instead.


 44.1357, 0.2391,
0.3806


 44.1357, 0.2391,
0.3806

363.2617, 0.2762,
0.3542

 30.7772, 0.2298,
0.3874


 81.4219, 0.2526,
0.3708

 20.4293, 0.2179,
0.3962


 106.1184, 0.2577,
0.3672


 12.7075, 0.2022,
0.4081


 135.3630, 0.2619,
0.3642

 7.2274, 0.1804,
0.4249

 169.5401, 0.2656,
0.3616

 3.6047, 0.1487,
0.4505

 209.0342, 0.2688,
0.3594

 1.4550, 0.0356,
0.5282

254.2295, 0.2715,

 0.2567, 0.0000,

0.3574

1.0000

305.5106, 0.2740,
0.3557

■ 0.0000, 0.0000,
0.0000

■ 44.1357, 0.2391,
0.3806

■ 44.1357, 0.2391,
0.3806

■ 44.1302, 0.2391,
0.3808

■ 44.4096, 0.2391,
0.3749

■ 44.8416, 0.2407,
0.3692

■ 45.4847, 0.2442,
0.3635

■ 46.3667, 0.2495,
0.3578

■ 47.5115, 0.2568,
0.3523

■ 48.9397, 0.2657,
0.3470

■ 50.6702, 0.2761,
0.3419

■ 52.7199, 0.2876,
0.3372

■ 55.1048, 0.3001,
0.3329

Harmonies

Analogous

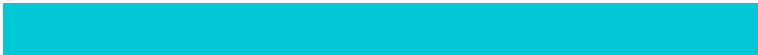
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1357, 0.2995, 0.4411



44.1357, 0.2391, 0.3806



44.1357, 0.2010, 0.3074

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.1357, 0.2391, 0.3806



44.1357, 0.2495, 0.2237



44.1357, 0.4513, 0.3831

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44.1357, 0.2391, 0.3806



12.3988, 0.6174, 0.3177

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.1357, 0.4381, 0.3304



44.1357, 0.2391, 0.3806



44.1357, 0.3136, 0.2439

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.1357, 0.2391, 0.3806



44.1357, 0.2071, 0.2254



44.1357, 0.3851, 0.2816



44.1357, 0.4234, 0.4307

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.1357, 0.2391, 0.3806



44.1357, 0.1909, 0.2679



44.1357, 0.3851, 0.2816



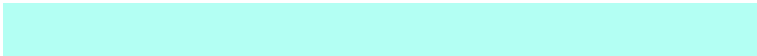
44.1357, 0.4518, 0.3656

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44.1374, 0.2391, 0.3806



87.4987, 0.2753, 0.3423



41.6449, 0.3049, 0.5959



18.4435, 0.2707, 0.3444



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.1374, 0.2391, 0.3806



76.3792, 0.2393, 0.3816



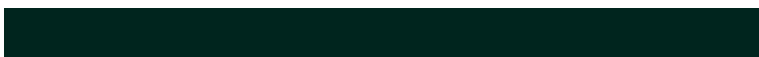
21.0925, 0.1934, 0.2159



12.0372, 0.3005, 0.3327



28.0720, 0.2389, 0.3800



1.3373, 0.2356, 0.3681

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.3988, 0.6174, 0.3177



21.4195, 0.6207, 0.3193



16.3005, 0.5880, 0.3710



10.6642, 0.3265, 0.3253



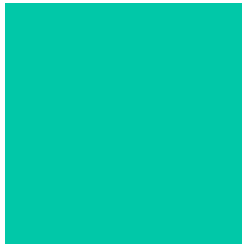
7.8831, 0.6154, 0.3164



0.3822, 0.5630, 0.2875

Previews

White Background



This preview shows how the Yxy color 44.1357, 0.2391, 0.3806 looks on a white background.

Color Contrast Check

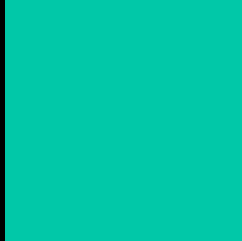
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 44.1357, 0.2391, 0.3806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

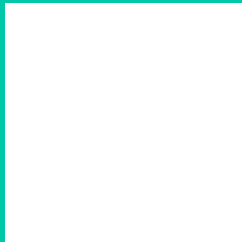
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.1357, 0.2391, 0.3806

Background



This preview shows how black text looks on a background with the Yxy color 44.1357, 0.2391, 0.3806.

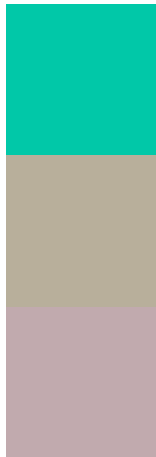


This preview shows how white text looks on a background with the Yxy color 44.1357, 0.2391, 0.3806.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

44.1422, 0.2391, 0.3806

Protanopia

43.2168, 0.3378, 0.3559

Deuteranopia

43.1429, 0.3304, 0.3239



Tritanopia

44.1066, 0.2257, 0.3053

Trichromacy



Original Color

44.1422, 0.2391, 0.3806



Protanomaly

40.6010, 0.2779, 0.3661



Deuteranomaly

40.2373, 0.2736, 0.3425



Tritanomaly

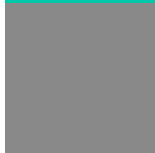
43.7951, 0.2286, 0.3303

Monochromacy



Original Color

44.1422, 0.2391, 0.3806



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.3060, 0.2611, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1357, 0.2391, 0.3806 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(1, 200, 168)` looks like.

```
.text, #text, p{  
    color:rgb(1, 200, 168)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(1, 200, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 200, 168) }
```

Border

The CSS property to change the border of an element to Yxy 44.1357, 0.2391, 0.3806 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(1, 200, 168) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(1, 200, 168) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(1, 200, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 200, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 200, 168);  
box-shadow:4px 4px 4px 4px rgb(1, 200,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1357, 0.2391, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 200, 168) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(1, 200,  
168) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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